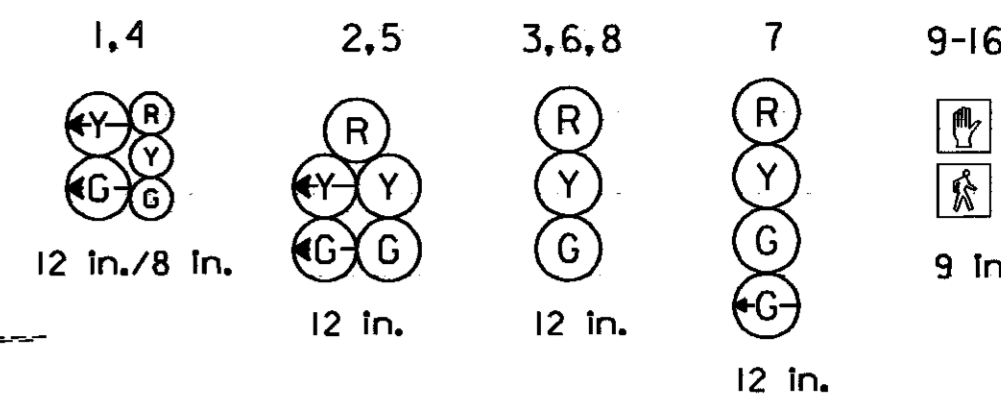
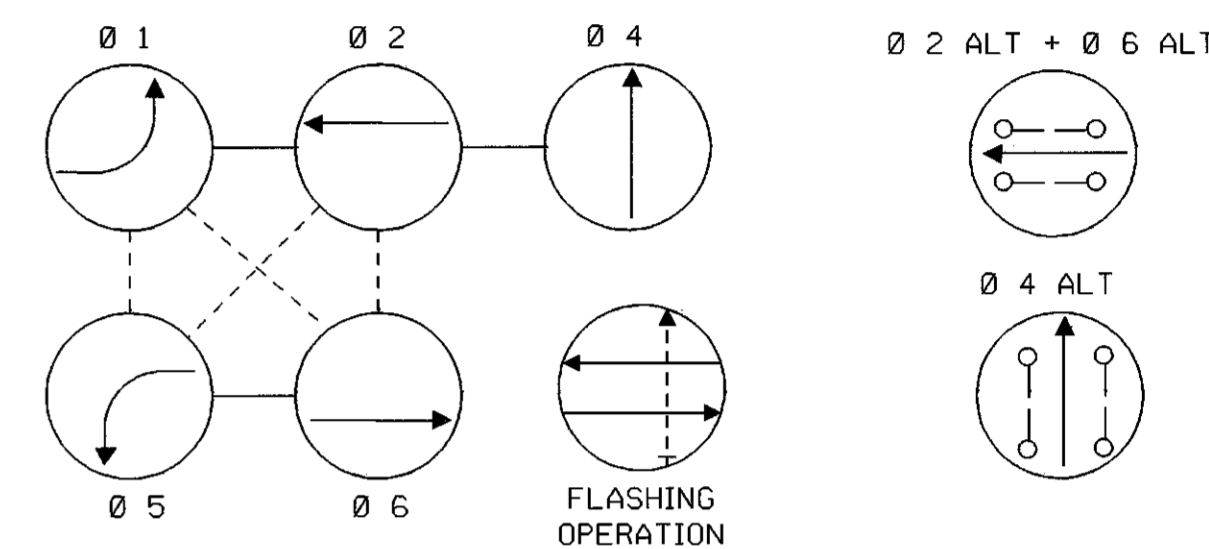


SIGNAL HEADS



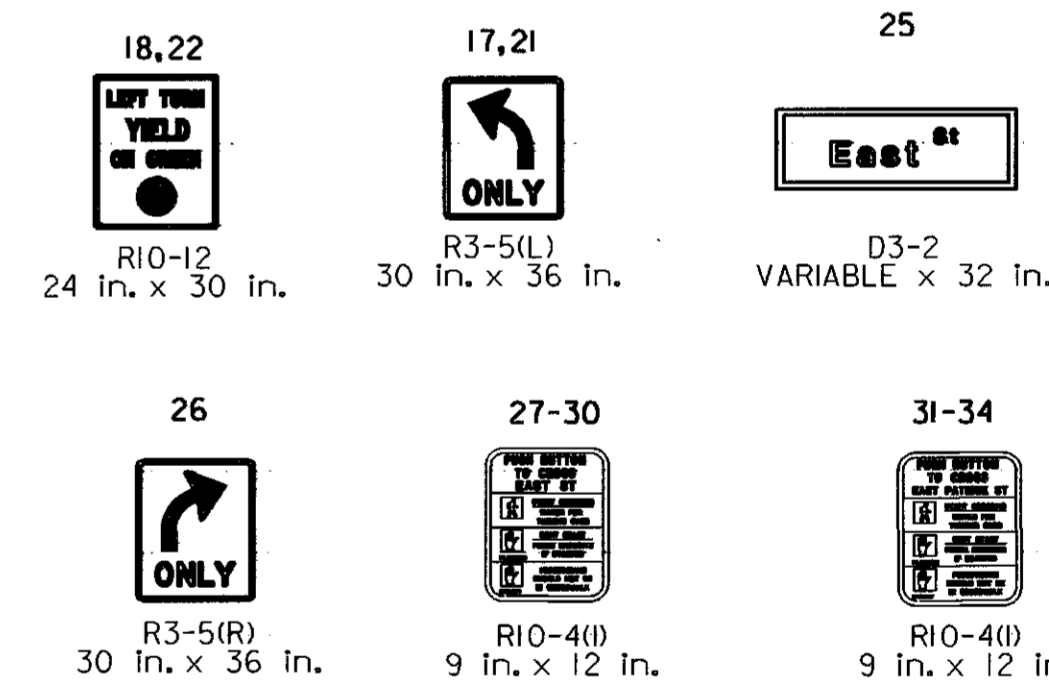
NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

SIGNS



LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
OVERHEAD ELECTRIC	— OH E —
OVERHEAD TELEPHONE	— OH T —
OVERHEAD CABLE TELEVISION	— OH CTV —
ELECTRIC	— E —
TELEPHONE	— T —
GAS	— G —
WATER	— W —
SANITARY, SEWER	— SAN. S —
STORM DRAIN	— SD —

GENERAL NOTES

- FINAL GEOMETRICS AND GRADES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF THE HIGHWAY CONTRACT.
- ALL LUMINAIRES MUST BE FULL CUT OFF.
- WHEN INSTALLING THE SIGNAL HEADS, THE CONTRACTOR MUST LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC.
- SIGNAL HEADS 2 AND 3 MUST BE INSTALLED WITH A VERTICAL CLEARANCE OF 17 FT. ABOVE THE RAILROAD TRACKS.
- REFER TO PAGES SN 2.1 AND SN-2.2 FOR PAVEMENT MARKING DETAILS.

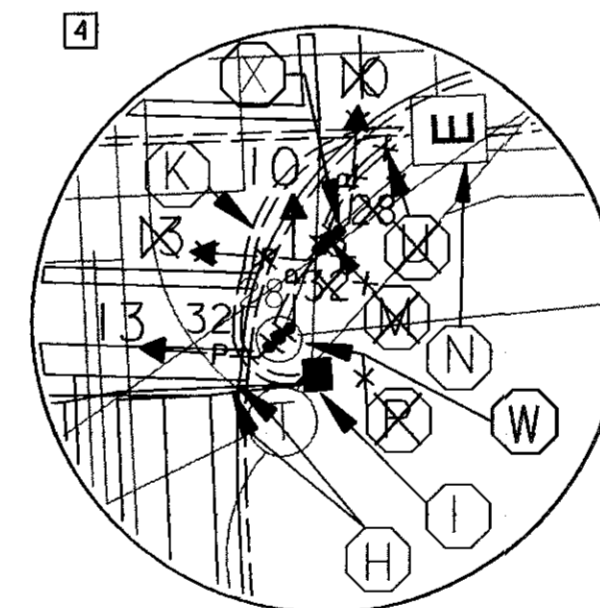
CONSTRUCTION DETAILS

- INSTALL NEMA TYPE TRAFFIC CONTROL CABINET - BASE MOUNT (NOTE: 2-4" PVC AND 1-2" PVC 90 DEGREE ANGLE BENDS), AND (CONCRETE PAD (21"x 38"x 30").
- INSTALL 25 FT. SQUARE TAPERED STEEL POLE WITH A 40 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, SIGNS AND RECTANGULAR LUMINAIRE AS NOTED (NOTE: 1-3" PVC, 90 DEGREE ANGLE BEND).
- INSTALL 25 FT. SQUARE TAPERED STEEL POLE WITH A 30 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND RECTANGULAR LUMINAIRE AS NOTED. CENTER LINE OF MAST ARM SHALL BE A MINIMUM OF 19 FT. ABOVE PAVEMENT SURFACE. TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM OF 17 FT. CLEARANCE ABOVE PAVEMENT SURFACE (NOTE: 1-3" PVC, 90 DEGREE ANGLE BEND).
- INSTALL 25 FT. SQUARE TAPERED STEEL POLE WITH A 30 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS (NOTE: 1-3" PVC, 90 DEGREE ANGLE BEND).
- INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (STOPLINE).
- INSTALL 6 FT. X 30 FT. LOOP DETECTOR, ENCASED IN 1/4 IN. FLEXIBLE TUBING (3.6.3 TURNS) QUADRUPOLE TYPE.
- INSTALL 6 FT. X 6 FT. LOOP DETECTOR, ENCASED IN 1/4 IN. FLEXIBLE TUBING (3 TURNS).
- INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL HANDHOLE.
- INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED.
- INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - SLOTTED.
- REMOVE AND SALVAGE EXISTING PEDESTAL POLE AND SIGNAL HEAD.
- INSTALL 14 FT. BREAKWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS, PUSH BUTTON AND SIGN AS SHOWN (NOTE: 1-3" PVC 90 DEGREE ANGLE CONDUIT BEND).
- REUSE EXISTING HANDHOLE.
- REMOVE AND SALVAGE EXISTING CABINET.
- REMOVE AND SALVAGE EXISTING PEDESTAL POLE, SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD.
- PROPOSED UNDERGROUND FEED.
- FURNISH AND INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 12 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK).
- INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN.
- INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED. (MUST REMOVE EXISTING SIDEWALK, INSTALL CONDUIT, AND REPLACE SIDEWALK.)
- INSTALL 4 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED.

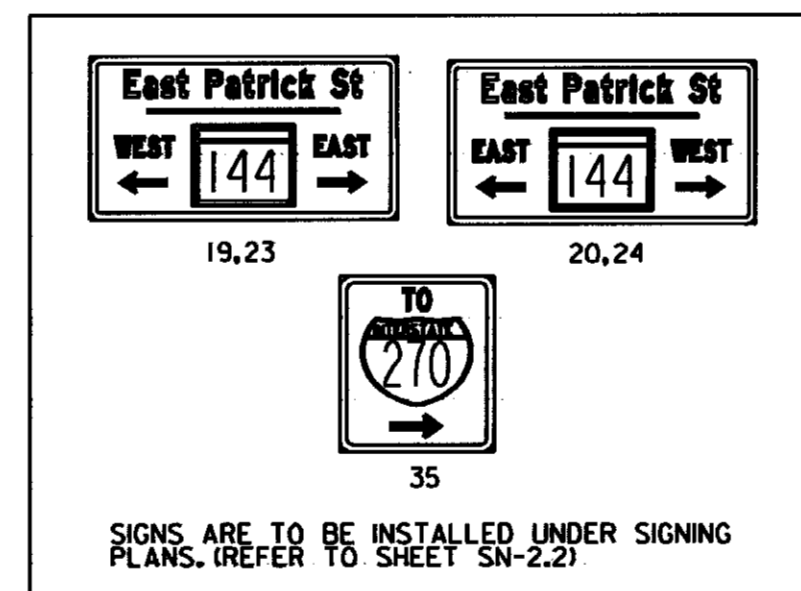
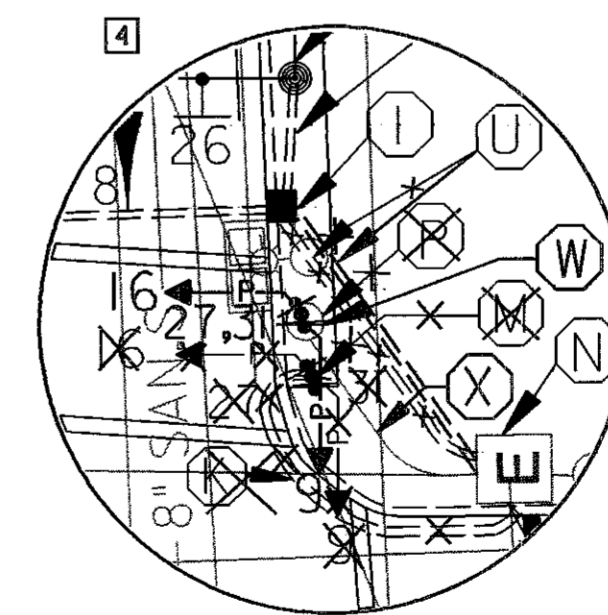
CONSTRUCTION DETAILS CONTINUED

- REMOVE AND SALVAGE EXISTING PEDESTAL POLE, SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD. INSTALL 14 FT. BREAKWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS, PUSH BUTTONS AND SIGN, AS SHOWN, ON EXISTING FOUNDATION.
- REUSE EXISTING CONDUIT.
- REMOVE AND SALVAGE EXISTING PEDESTAL POLE, SIGNAL HEAD AND LUMINAIRE.
- INSTALL MASTER CONTROLLER AND CABINET - BASE MOUNT

ENLARGEMENT B



ENLARGEMENT C



REVISIONS:	APPROVALS:
4 RED LINE REVISION NO. 4 DECEMBER 7, 2000	1-11-99
5 RED LINE REVISION NO. 5 JANUARY 30, 2001	1-11-99

RK & K
RUMMEL, KLEPPER & KAHL, LLP
 CONSULTING ENGINEERS
 81 MOSHER STREET
 BALTIMORE, MARYLAND 21217

MDOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 LOG MILE # 10A14404.71

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